

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James A. Patterson

Serial No. 09/766,513

Filed: 01/19/2001

Examiner: Frank I Choi

Group Art Unit: 1616

For: Composition for Arresting the Flow
of Blood and Method

RESPONSE

To: Commissioner of Patents and Trademarks
Box No Fee Amendments
Washington, D.C. 20231

Sir:

This response is submitted following receipt of the Notice of Non-Compliant Amendment mailed August 14, 2002.

A copy of our amendment mailed April 5, 2002 is following herewith, along with a copy of the postcard receipt.

Please enter in the enclosed clean version of the amended claims all as required in 37 CFR 1.121. Our response of April 5th includes a clean copy of all the pending claims in the case; however, we erred by renumbering the claims 1-9 instead of correctly retaining the original claim numbers 5-13.

Respectfully submitted,



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CERTIFICATE OF MAILING

I HEREBY CERTIFY that the foregoing is being facsimile transmitted to the Assistant Commissioner of Patents, (703) 308-4407, this September 26, 2002.


Charles J. Prescott

5. A method of arresting the flow of blood from a bleeding wound comprising the steps of:

- A. providing an effective amount of a substantially anhydrous compound of an oxyacid salt combined with an effective amount of hydrophilic proton donor which will hydrate in the presence of blood to thereby promote clotting of the blood;
 - B. applying said compound to the wound for a time sufficient to effect sufficient clotting of the blood to arrest substantial further blood flow from the wound.
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6. The method of arresting the flow of blood as set forth in Claim 5, wherein said oxyacid salt is taken from the group consisting of:

- alkali and alkaline salts;
 - oxyacid salts of transition elements;
 - halogen oxyacids; and
 - alkali and alkaline oxides, peroxides and superoxides.
-

7. A hemostatic agent adapted to be applied directly onto a bleeding wound comprising:

an effective amount of an oxyacid salt combined with an effective amount of a hydrophilic proton donor material, said oxyacid salt combining with blood to promote blood clotting at the wound, said hydrophilic proton donor material combining with, and thereby neutralizing, hydroxyl ions formed as said oxyacid salt combines with blood to effect clotting.

C2 8. The hemostatic agent as set forth in Claim 7, wherein said oxyacid salt is taken from the group consisting of:

alkali and alkaline salts;

oxyacid salts of transition elements;

halogen oxyacids; and

alkali and alkaline oxides, peroxides and superoxides.

9. A hemostatic agent as set forth in Claim 7, wherein said hydrophilic proton donor includes:

a cation exchange resin;

an acid producing salt; and

an organic acid.

10. The hemostatic agent as set forth in Claim 7, further comprising:

a solid desiccant combined with said oxyacid salt and said hydrophilic proton donor material, said solid desiccant further accelerating blood clotting by absorbing water in the blood.

11. A hemostatic agent adapted to be applied directly onto a bleeding wound comprising:

an effective amount of an oxyacid salt combined with an effective amount of a hydrophilic polymer material, said oxyacid salt combining with blood to promote blood clotting at the wound, said hydrophilic polymer material forming a protective cover over the wound.

12. The hemostatic agent as set forth in Claim 11, wherein said oxyacid salt is taken from the group consisting of:

alkali and alkaline salts;

oxyacid salts of transition elements;

halogen oxyacids; and

alkali and alkaline oxides, peroxides and superoxides.

13. The hemostatic agent as set forth in Claim 12, wherein said hydrophilic polymer material includes:

carboxy methylcellulose;

polyvinyl alcohol;

alginate;

a soluble gum.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: J. Patterson, et al.

Serial No. 09/766513

Filed: 01/19/01

Examiner: F. Choi

Group Art Unit: 1616

For: Composition for Arresting the Flow
of Blood and Method

AMENDMENT

To: Assistant Commissioner for Patents
Box No Fee Amendments
Washington, D.C. 20231

Sir:

This amendment is submitted as being fully responsive to the outstanding office action mailed August 1, 2001. Please amend the application as set forth herebelow.

In the specification:

Page 3, line 15, rewrite "_____" as -- 6,187,347 --.

In the Claims:

Please cancel claims 1 to 4 without prejudice and amend claims 6, 8, 9, 10, 12 and 13 as set forth herebelow. Claims 5, 7 and 11 continue in the case.

6. (amended) The [A] method of arresting the flow of blood as set forth in Claim 5, wherein said oxyacid salt is taken from the group consisting of:

alkali and alkaline salts;

oxyacid salts of transition elements;

halogen oxyacids; and

alkali and alkaline oxides, peroxides and superoxides.

8. (amended) The [A] hemostatic agent as set forth in Claim 7, wherein said oxyacid salt is taken from the group consisting of:

- alkali and alkaline salts;
- oxyacid salts of transition elements;
- halogen oxyacids; and
- alkali and alkaline oxides, peroxides and superoxides.

9. (amended) A hemostatic agent as set forth in Claim 7, wherein said hydrophilic proton donor [is taken from the group that] includes:

- a cation exchange resin;
- an acid producing salt; and
- an organic acid.

10. (amended) The [A] hemostatic agent as set forth in Claim 7, further comprising:

- a solid desiccant combined with said oxyacid salt and said hydrophilic proton donor material, said solid desiccant further accelerating blood clotting by absorbing water in the blood.

12. (amended) The [A] hemostatic agent as set forth in Claim 11, wherein said oxyacid salt is taken from the group consisting of:

- alkali and alkaline salts;
- oxyacid salts of transition elements;
- halogen oxyacids; and
- alkali and alkaline oxides, peroxides and superoxides.

13. (amended) The [A] hemostatic agent as set forth in Claim 12, wherein said hydrophilic polymer material [is taken from the group that] includes: